SIEMENS

Data sheet 3RV1011-1HA10



Circuit breaker size S00 for motor protection, CLASS 10 A-release 5.5...8 A N-release 104 A Screw terminal Standard switching capacity

product brand name	SIRIUS
product designation	Circuit breaker
design of the product	For motor protection
product type designation	3RV1
General technical data	
size of the circuit-breaker	S00
size of contactor can be combined company-specific	S00
product extension auxiliary switch	Yes
power loss [W] for rated value of the current	
 at AC in hot operating state 	9.25 W
at AC in hot operating state per pole	3.1 W
insulation voltage with degree of pollution 3 at AC rated value	690 V
surge voltage resistance rated value	6 kV
mechanical service life (operating cycles)	
 of the main contacts typical 	100 000
of auxiliary contacts typical	100 000
electrical endurance (operating cycles) typical	100 000
type of protection according to ATEX directive 2014/34/EU	Ex II (2) GD
certificate of suitability according to ATEX directive 2014/34/EU	DMT 02 ATEX F 001
reference code according to IEC 81346-2	Q
Substance Prohibitance (Date)	01/01/2013
SVHC substance name	Blei - 7439-92-1
Ambient conditions	
installation altitude at height above sea level maximum	2 000 m
ambient temperature	
 during operation 	-20 +60 °C
during storage	-50 +80 °C
during transport	-50 +80 °C
relative humidity during operation	10 95 %
Main circuit	
number of poles for main current circuit	3
adjustable current response value current of the current- dependent overload release	5.5 8 A
operating voltage	
rated value	20 690 V
• at AC-3 rated value maximum	690 V
at AC-3e rated value maximum	690 V
operating frequency rated value	50 60 Hz
operational current rated value	8 A
operational current	

# al AC-3 al 400 V rated value # al AC-3 al 400 V rated value # al AC-3 # al		
Operating power	 at AC-3 at 400 V rated value 	8 A
## AC-3 — at 420 V rated value — at 400 V rated value — at 500 V rated value — at 400 V rated value — at 400 V rated value — at 500 V rated value — at 600 V ra	at AC-3e at 400 V rated value	8 A
	operating power	
	• at AC-3	
	— at 230 V rated value	1.5 kW
	— at 400 V rated value	3 kW
	— at 500 V rated value	4 kW
	— at 690 V rated value	5.5 kW
	• at AC-3e	
— at 500 V rated value	— at 230 V rated value	1.5 kW
	— at 400 V rated value	3 kW
operating frequency		
operating frequency		
at AC-3 maximum at AC-3 emaximum 15 1/h Auxiliary circuit number of CO contacts for auxiliary contacts product function • ground fault detection • pround fault detecti		
Auxiliary circuit Junibus (CO contacts for auxiliary contacts 0 Protective and monitoring functions product function		15 1/h
Auxiliary circuit number of CO contacts for auxiliary contacts product function		
rumber of CO contacts for auxiliary contacts Protective and monitoring functions product function • ground fault detection • phase failure detection • phase failure detection • phase failure detection trip class CLASS 10 design of the overload release maximum short-circuit current breaking capacity (fcu) • at AC at 240 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 500 V rated value • at AC at 890 V rated value • at 400 V rated value • at 600 V rated value • at 800 V rated value • at 670 shase AC motor • at 800 V rated value • at 750 shows AC motor • at 800 V rated value • at 750 shows AC motor • at 800 V rated value • at 750 shows AC motor • at 800 V rated value • at 750 shows AC motor • at 800 V rated value • at 750 shows AC motor • at 800 V rated value • at 750 shows AC motor • at 800 V rated value • at 750 shows AC motor • at 800 v rated value • b 1 hp • for single-phase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC motor • at 800 v rated value • for shase AC		10 mi
product function		0
product function	·	
e ground fault detection Yes trip class CLASS 10 design of the overload release thermal maximum short-circuit current breaking capacity (Icu) e at AC at 240 V rated value 100 kA e at AC at 400 V rated value 55 kA e at AC at 500 V rated value 2 kA operating short-circuit current breaking capacity (Ics) et AC e at 240 V rated value 2 kA operating short-circuit current breaking capacity (Ics) et AC e at 240 V rated value 100 kA e at 500 V rated value 100 kA e at 500 V rated value 13 kA e at 500 V rated value 3 kA e at 500 V rated value 2 kA response value current of instantaneous short-circuit trip unit 104 A ULCSA ratings full-load current (FLA) for 3-phase AC motor e at 480 V rated value 8 A e at 600 V rated value 8 A e at 600 V rated value 8 A e at 600 V rated value 1 hp e for single-phase AC motor — at 1101/20 V rated value 1 hp e for 3-phase AC motor — at 220/230 V rated value 2 hp — at 220/230 V rated value 5 hp — at 460/480 V rated value 5 hp for 460/480 V rated value 5 hp product function short circuit protection Yes design of the fuse link for IT network for short-circuit protection Yes design of the fuse link for IT network for short-circuit protection Yes design of the fuse link for IT network for short-circuit protection 4 at 500 V		
	•	No
trip class design of the overload release maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 400 V rated value at AC at 500 V rated value at AC at 650 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 650 V rated value by leided mechanical performance [hp] for single-phase AC motor at 230 V rated value for 3-phase AC motor at 200/250 V rated	-	
design of the overload release maximum short-circuit current breaking capacity (Icu)	·	
maximum short-circuit current breaking capacity (Icu) at AC at 240 V rated value at AC at 240 V rated value at AC at 4500 V rated value at AC at 4500 V rated value at AC at 690 V rated value at AC at 690 V rated value at 400 V rated value at 400 V rated value at 500 V rated value at 600 V rated value be for single-phase AC motor at 100 V rated value at 600 V rated value be for 3-phase AC motor at 100 V rated value be for 3-phase AC motor at 100 V rated value be for 3-phase AC motor at 100 V rated value be for 3-phase AC motor at 200 V rated value be for 3-phase AC motor at 200 V rated value be for 3-phase AC motor at 200 V rated value be for 3-phase AC motor at 200 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 200 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value be for 3-phase AC motor at 480 V rated value chat 480 V ra	·	
• at AC at 240 V rated value 50 kA • at AC at 400 V rated value 50 kA • at AC at 500 V rated value 2 kA • at AC at 500 V rated value 2 kA operating short-circuit current breaking capacity (les) at AC • at 240 V rated value 100 kA • at 400 V rated value 13 kA • at 500 V rated value 2 kA e at 500 V rated value 3 kA • at 500 V rated value 2 kA response value current of instantaneous short-circuit trip unit 104 A ULCSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 8 kA • at 600 V rated value 8 kA • at 600 V rated value 8 kA yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 11 hp • for single-phase AC motor — at 110/120 V rated value 11 hp • for 3-phase AC motor — at 200/208 V rated value 2 kp — at 220/220 V rated value 5 kp — at 240/400 V rated value 5 kp — at 450/400 V rated value 5 kp — at 240/400 V rated value 5 kp — at 450/400 V rated value 5 kp Short-circuit protection Yes design of the short-circuit trip design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit protection of the main circuit		tnermal
at AC at 400 V rated value		400 LA
at AC at 500 V rated value at AC at 500 V rated value porating short-circuit current breaking capacity (Ics) at AC at 240 V rated value at 400 V rated value at 500 V rated value at 600 V rated value be at 600 V rated value at 600 V rated value be at 600 V rated value at 600 V rated value be at 600 V rated value at 600 V rated value be at 600 V rated value at 600 V rated value be for single-phase AC motor at 110/120 V rated value be for 3-phase AC motor at 200/208 V rated value be for 3-phase AC motor be for 3-p		
• at AC at 690 V rated value operating short-circuit current breaking capacity (Ics) at AC • at 240 V rated value at 400 V rated value at 550 V rated value at 550 V rated value at 690 V rated value 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value at 600 V rated value 8 A yielded mechanical performance (Inp) • for single-phase AC motor — at 1101/120 V rated value • for 3-phase AC motor — at 1101/120 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 220/230 V rated value • for 3-phase AC motor — at 250/230 V rated value • for 3-phase AC motor — at 270/208 V rated value 5 hp — at 275/600 V rated value 5 hp Short-circuit protection product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 650 V		
operating short-circuit current breaking capacity (Ics) at AC at 240 V rated value 13 kA at 500 V rated value 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 8 A at 600 V rated value 8 A at 600 V rated value 8 A at 600 V rated value 9 to for single-phase AC motor		
at 240 V rated value at 400 V rated value at 500 V rated value at 500 V rated value at 600 V rated value 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 8 A at 600 V rated value 8 A vielded mechanical performance [hp] for single-phase AC motor at 110/120 V rated value 1 hp for 3-phase AC motor at 220/230 V rated value 2 hp at 220/230 V rated value 5 hp at 460/480 V rated value 5 hp at 575/600 V rated value 5 hp Short-circuit protection product function short circuit frotection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 400 V gL/GS 63 A st 400 V gL/GS 63 A gL/GS 40 A gL/GS 40 A pL/GS 40 A pluge blink for ID network for short-circuit protection of the main circuit at 500 V gL/GS 40 A		2 KA
at 400 V rated value at 500 V rated value at 690 V rated value 2 kA response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value 8 A at 600 V rated value 8 A yielded mechanical performance [hp] of or single-phase AC motor — at 110/120 V rated value 0.33 hp — at 230 V rated value 1 hp of or 3-phase AC motor — at 200/208 V rated value 2 hp — at 220/230 V rated value 2 hp — at 460/480 V rated value 2 hp — at 440/480 V rated value 5 hp or at 460/480 V rated value 5 hp short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 400 V gL/g6 63 A st 500 V gL/g6 40 A st 500 V gL/g6 40 A st 500 V gL/g6 40 A Installation/ mounting/ dimensions mounting position fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
at 500 V rated value at 690 V rated value response value current of instantaneous short-circuit trip unit 104 A **DUCSA ratings** full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value at 600 V rated value **A **Interval of the fuse link for IT network for short-circuit protection of the main circuit at 600 V rated value **Interval of the fuse link for IT network for short-circuit protection of the main circuit at 600 V rated value **Description** **Interval of the fuse link for IT network for short-circuit protection of the main circuit at 600 V rated value at 600 V rated value **Description** **Interval of the fuse link for IT network for short-circuit protection of the main circuit at 600 V at 600 V at 600 V at 600 V **Interval of the fuse link for IT network for short-circuit protection of the main circuit at 600 V at 600 V **Interval of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection of the main circuit at 600 V **Interval of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection of the fuse link for IT network for short-circuit protection of the main circuit **A 1240 V **A 1290 V **A 1300 V *		
at 690 V rated value response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value b for single-phase AC motor		
response value current of instantaneous short-circuit trip unit UL/CSA ratings full-load current (FLA) for 3-phase AC motor • at 480 V rated value 8 A • at 600 V rated value 8 A yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value 1 hp • for 3-phase AC motor — at 220/208 V rated value • for 3-phase AC motor — at 220/208 V rated value • at 220/230 V rated value — at 2575/600 V rated value — at 4575/600 V rated value — at 575/600 V rated value — at 2575/600 V rated value by by traded value product function short circuit protection product function short circuit protection design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method sany screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	at 500 V rated value	
### Company of the Standard Face of the Standard Fa	at 690 V rated value	
full-load current (FLA) for 3-phase AC motor at 480 V rated value at 600 V rated value 8 A yielded mechanical performance [hp] for single-phase AC motor —at 110/120 V rated value 1 hp for 3-phase AC motor —at 230 V rated value 2 hp —at 220/230 V rated value 2 hp —at 460/480 V rated value 2 hp —at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 400 V gL/gG 80 A gL/gG 63 A at 500 V at 690 V gL/gG 40 A Installation/ mounting/ dimensions mounting position fastening method 8 A 8 A 8 A 8 A 8 A 8 A 8 A 8	· · · · · · · · · · · · · · · · · · ·	104 A
■ at 480 V rated value ■ at 600 V rated value ■ 8 A vielded mechanical performance [hp] ■ for single-phase AC motor		
● at 600 V rated value	full-load current (FLA) for 3-phase AC motor	
yielded mechanical performance [hp] • for single-phase AC motor — at 110/120 V rated value — at 230 V rated value 1 hp • for 3-phase AC motor — at 200/208 V rated value 2 hp — at 220/230 V rated value 2 hp — at 460/480 V rated value 5 hp — at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method and 33 hp 0.33 hp 0.33 hp 1 hp 0.33 hp 1 hp 0.33 hp 1 hp 0.33 hp 1 hp 0.33 hp 0.33 hp 1 hp 0.33 hp 0.34 hp 0.34 hp 0.35 hp 0.35 hp 0.36 hp 0.36 hp 0.37 hp 0.38 h	at 480 V rated value	8 A
for single-phase AC motor — at 110/120 V rated value	at 600 V rated value	8 A
- at 110/120 V rated value 0.33 hp - at 230 V rated value 1 hp • for 3-phase AC motor - at 200/208 V rated value 2 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 5 hp - at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 40 A Installation/ mounting/ dimensions mounting position any fastening method o 2 hp 2 hp 2 hp 3 hp 4 hp 4 hp 5 hp 5 hp Short-circuit protection Yes Gesign of the short-circuit trip 4 gL/gG 80 A 5 gL/gG 80 A 6 gL/gG 80 A 6 gL/gG 40 A 6 at 90 V Installation/ mounting/ dimensions	yielded mechanical performance [hp]	
- at 230 V rated value • for 3-phase AC motor - at 200/208 V rated value 2 hp - at 220/230 V rated value 2 hp - at 460/480 V rated value 5 hp - at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method 1 hp 1 hp 1 hp 1 hp 1 hp 2 hp 2 hp 2 hp 4 hp 5 hp 5 hp Short-circuit protection Yes design of the short-circuit trip magnetic gL/gG 80 A gL/gG 80 A gL/gG 80 A gL/gG 80 A sat 500 V • at 690 V gL/gG 40 A Installation/ mounting/ dimensions mounting position any fastening method	 for single-phase AC motor 	
for 3-phase AC motor — at 200/208 V rated value	— at 110/120 V rated value	0.33 hp
- at 220/203 V rated value 2 hp - at 220/230 V rated value 5 hp - at 460/480 V rated value 5 hp - at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 40 A Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	— at 230 V rated value	1 hp
- at 220/230 V rated value 2 hp - at 460/480 V rated value 5 hp - at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 40 A installation/ mounting/ dimensions mounting position any fastening method 2 hp 5 hp 5 hp Short-circuit function Yes magnetic Magnetic Yes Magnetic Magneti	• for 3-phase AC motor	
- at 460/480 V rated value 5 hp - at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 40 A • at 690 V gL/gG 40 A Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	— at 200/208 V rated value	2 hp
— at 575/600 V rated value 5 hp Short-circuit protection product function short circuit protection Yes design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 400 V • at 500 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method 5 hp Yes Magnetic Yes Magnetic ### ### ### ### ### ### ### ### ###	— at 220/230 V rated value	2 hp
Short-circuit protection product function short circuit protection design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method Yes magnetic gL/gG 80 A gL/gG 80 A gL/gG 63 A gL/gG 63 A gL/gG 40 A gL/gG 40 A Installation/ mounting/ dimensions	— at 460/480 V rated value	5 hp
product function short circuit protection design of the short-circuit trip magnetic design of the fuse link for IT network for short-circuit protection of the main circuit at 240 V at 240 V gL/gG 80 A gL/gG 63 A at 500 V at 500 V gL/gG 40 A linstallation/ mounting/ dimensions mounting position fastening method Yes magnetic gL/gG 80 A gL/gG 80 A gL/gG 63 A gL/gG 40 A gL/gG 40 A Installation/ mounting/ dimensions	— at 575/600 V rated value	5 hp
design of the short-circuit trip design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V • at 400 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method magnetic magnetic magnetic magnetic magnetic gL/gG 80 A gL/gG 80 A gL/gG 63 A gL/gG 63 A gL/gG 40 A strong 40 A Installation/ mounting/ dimensions mounting position any fastening method	Short-circuit protection	
design of the fuse link for IT network for short-circuit protection of the main circuit • at 240 V gL/gG 80 A • at 400 V gL/gG 63 A • at 500 V gL/gG 40 A • at 690 V gL/gG 40 A Installation/ mounting/ dimensions mounting position fastening method any fastening method gL/gG 80 A gL/gG 63 A gL/gG 40 A gL/gG 40 A Installation/ mounting/ dimensions	product function short circuit protection	Yes
protection of the main circuit • at 240 V • at 400 V • at 500 V • at 500 V • at 690 V Installation/ mounting/ dimensions mounting position fastening method gL/gG 80 A gL/gG 63 A gL/gG 40 A gL/gG 40 A gL/gG 40 A Installation/ mounting/ dimensions	design of the short-circuit trip	magnetic
 at 240 V at 400 V at 500 V at 690 V gL/gG 40 A gL/gG 40 A gL/gG 40 A gL/gG 40 A Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715 		
at 400 V gL/gG 63 A at 500 V gL/gG 40 A at 690 V gL/gG 40 A Installation/ mounting/ dimensions mounting position any fastening method gL/gG 40 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	•	
at 500 V gL/gG 40 A to at 690 V gL/gG 40 A Installation/ mounting/ dimensions mounting position any fastening method gL/gG 40 A Installation/ mounting/ dimensions any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
● at 690 V Installation/ mounting/ dimensions mounting position any fastening method gL/gG 40 A any screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
Installation/ mounting/ dimensions mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		
mounting position any fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715		gL/gG 40 A
fastening method screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715	Installation/ mounting/ dimensions	
	mounting position	any
height 90 mm	fastening method	screw and snap-on mounting onto 35 mm DIN rail according to DIN EN 60715
	height	90 mm

width	45 mm
	45 mm
depth required spacing	75 111111
• for grounded parts at 400 V	
— downwards	20 mm
	20 mm
— upwards	
— at the side	9 mm
• for live parts at 400 V	20
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
for grounded parts at 500 V	00
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
• for live parts at 500 V	
— downwards	20 mm
— upwards	20 mm
— at the side	9 mm
for grounded parts at 690 V	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
 for live parts at 690 V 	
— downwards	20 mm
— upwards	20 mm
— backwards	0 mm
— at the side	9 mm
— forwards	0 mm
Connections/ Terminals	
type of electrical connection	
type of electrical connection • for main current circuit	screw-type terminals
type of electrical connection • for main current circuit arrangement of electrical connectors for main current	screw-type terminals Top and bottom
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit	
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections	
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	Top and bottom
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing	Top and bottom
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
type of electrical connection	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²)
type of electrical connection	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²)
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded tightening torque • for main contacts with screw-type terminals	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m
type of electrical connection	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2
type of electrical connection	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.2 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m Pozidriv size 2 M3
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3
type of electrical connection	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 50 % 50 % 50 FIT
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to SN 31920	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 50 % 50 % 50 FIT 5 000
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts — solid or stranded — finely stranded with core end processing type of connectable conductor cross-sections • for auxiliary contacts — solid or stranded tightening torque • for main contacts with screw-type terminals • for auxiliary contacts with screw-type terminals size of the screwdriver tip design of the thread of the connection screw • for main contacts Safety related data proportion of dangerous failures • with low demand rate according to SN 31920 • with high demand rate according to SN 31920 failure rate [FIT] with low demand rate according to SN 31920 B10 value with high demand rate according to IEC 60529	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 50 % 50 % 50 FIT 5 000 IP20
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 50 % 50 FIT 5 000 IP20 finger-safe, for vertical contact from the front
type of electrical connection	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 50 % 50 % 50 FIT 5 000 IP20
type of electrical connection • for main current circuit arrangement of electrical connectors for main current circuit type of connectable conductor cross-sections • for main contacts	Top and bottom 2x (0,5 1,5 mm²), 2x (0,75 2,5 mm²), 2x (1 4 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 2x (0.5 1.5 mm²), 2x (0.75 2.5 mm²) 0.8 1.2 N·m 0.8 1.2 N·m Pozidriv size 2 M3 50 % 50 FIT 5 000 IP20 finger-safe, for vertical contact from the front













For use in hazardous locations

Test Certificates

Marine / Shipping





Type Test Certificates/Test Report

Special Test Certific-<u>ate</u>





Marine / Shipping











Confirmation

other

other

Railway

Miscellaneous



Special Test Certificate

Siemens has decided to exit the Russian market (see here).

https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business

Siemens is working on the renewal of the current EAC certificates.

Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

Information on the packaging

https://support.industry.siemens.com/cs/ww/en/view/109813875

Information- and Downloadcenter (Catalogs, Brochures,...)

https://www.siemens.com/ic10

Industry Mall (Online ordering system)

https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RV1011-1HA10

Cax online generator

http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RV1011-1HA10

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1HA10

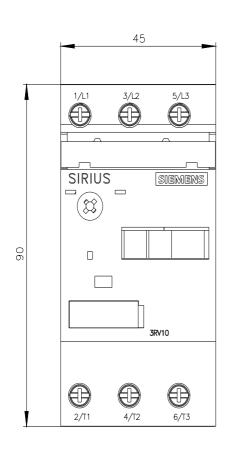
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

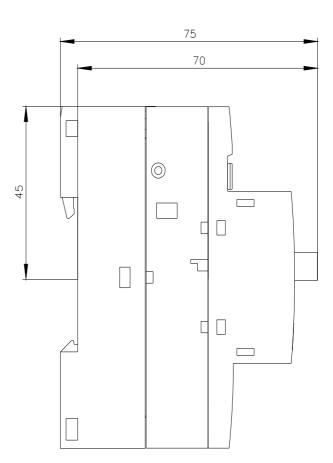
http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RV1011-1HA10&lang=en

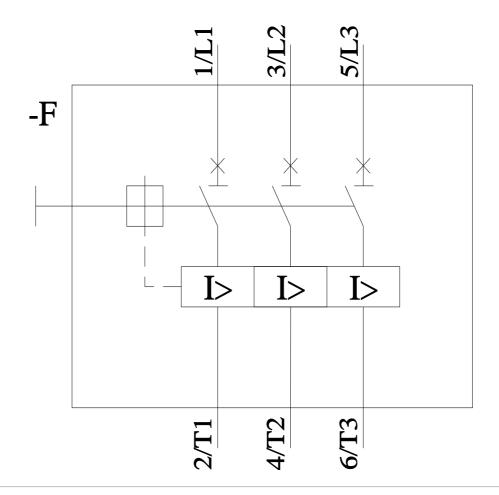
Characteristic: Tripping characteristics, I2t, Let-through current

https://support.industry.siemens.com/cs/ww/en/ps/3RV1011-1HA10/char

Further characteristics (e.g. electrical endurance, switching frequency)
http://www.automation.siemens.com/bilddb/index.aspx?view=Search&mlfb=3RV1011-1HA10&objecttype=14&gridview=view1







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